

IN THE CLAIMS

Please enter the following amendments to the claims which are further shown in the attached Appendix with markings to show the changes made:

Please add the following claims.

- Sub B
24. (Newly Added) The system of claim 1 wherein each test element of a set of test elements within the test procedure corresponds to a particular signal used by the device.
25. (Newly Added) The system of claim 1 wherein the test procedure includes:
- a first test element that directs the processor to perform a first test operation that generates a first test result; and
  - a second test element that directs the processor to perform a second operation that (i) obtains the first test result generated by the first test operation performed by the processor under direction of the first test element, and (ii) generates a second test result based on the first test result.
- AP
26. (Newly Added) The system of claim 1, further comprising:
- a test element database which stores a first test element having instructions that direct the processor to perform an analog signal operation, and a second test element having instructions that direct the processor to perform a digital signal operation, wherein the test procedure is configured to direct the processor to the first and second test elements to perform a mixed signal test based on the first and second test elements.
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27. (Newly Added) The system of claim 1 wherein each test element defines instructions for only a partial device testing task such that the multiple test elements together form a complete device testing task for testing the device.
28. (Newly Added) The method of claim 9 wherein the step of controlling the test interface includes the steps of:
- based on a first test element, performing a first test operation that generates a first test result; and
  - based on a second test element, performing a second operation that (i) obtains the first test result generated by the first test operation, and (ii) generates a second test result based on the first test result.
29. (Newly Added) The method of claim 17 wherein the step of indicating the operating order includes the step of:
- designating a first test element that directs the processor to perform a first test operation that generates a first test result ahead of a second test element that directs the processor to perform a second operation that (i) obtains the first test result generated by the first test operation, and (ii) generates a second test result based on the first test result.
- A